



**BOBBY JINDAL**  
GOVERNOR

**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20070011  
Agency Interest No. 1214

Mr. Tom Germany  
Plant Manager  
Calumet Shreveport Lubricants and Waxes, LLC  
Post Office Box 3099  
Shreveport, LA 71129-7530

RE: Part 70 Operating Permit, Shreveport Refinery - Calumet Shreveport Lubricants & Waxes  
LLC, Shreveport, Caddo Parish, Louisiana

Dear Mr. Germany:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_ of \_\_\_\_\_, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 3065-V0

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary

CSN: MDW  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Calumet Shreveport Refinery**  
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**Calumet Shreveport Lubricants & Waxes LLC**  
**Shreveport, Caddo Parish, Louisiana**

**I. Background**

Calumet Shreveport Lubricants and Waxes, LLC owns and operates the Calumet Shreveport Refinery located in Shreveport, Caddo Parish, Louisiana. Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery, an existing petroleum refinery facility has operated since 1923, currently operates under Permit No. 0500-00005-V2 granted on October 23, 2007.

To improve the quality of existing refined products and to produce certain new product to meet market demands and new specifications, Calumet proposes to upgrade the refinery with the Phase IV Project. This Permit No. 3065-V0 is for Phase IV project only.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Calumet Shreveport Lubricants & Waxes LLC on November 16, 2007 requesting a Part 70 operating permit. Additional information dated January 24, February 19, and June 24, 2008 was also received.

**III. Description**

Calumet Shreveport Lubricants and Waxes, LLC - the Shreveport Refinery has a permitted crude oil refining capacity of 65,000 barrels per day.

Calumet produces lubricating oils, waxes, lube stocks, asphalt, diesel, and gasoline. Calumet refines crude oil by use of distillation, hydrofinishing dewaxing/desulfurization, hydrogenation, solvent extraction, hydrotreating, propane deasphalting and MEK dewaxing. Calumet also operates necessary equipment for required utilities such as cooling towers and boilers. Feed stocks and finished products are stored in pressurized tanks, floating roof tanks, cone roof tanks, and gas blanketed tanks. Pipelines, tank trucks and rail cars are used to deliver finished product to customers.

To improve the quality of existing refined products and to produce certain new products to meet market demands and new specifications, Calumet is proposing to upgrade the refinery with the Phase IV Project. The Phase IV project is not an expansion project; the refinery permitted production capacity of 65,000 barrels per day will not increase. The Phase IV Project is primarily a quality-driven project which is necessary to meet market and customer demands.

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The target objectives and associated actions for the Phase IV Project are as follows:

1. The Phase IV Project will improve lube oil hydrotreating capabilities by adding a lube oil hydrofinisher to improve lube oil color, to increase lube oil stabilization, and to meet next generation specifications for heavy duty diesel engine oils.
2. A new Hydrogen Plant is being added to provide hydrogen for the Lube Oil Hydrofinish Unit.
3. A Propane Deasphalting Unit is being added to make more paving grade asphalt and to increase production of bright stock
4. A new Naphtha Unifiner is being added to provide improved treatment of naphtha streams.

The Phase IV Project upgrades and facility improvement include the addition of the following equipment:

- Addition of new Lube Oil Hydrofinisher Unit (7,000 BOPD), including one new 15 MM BTU/hr process heater;
- Addition of new Propane Deasphalting Unit (PDA, 6,600 BOPD), including one 20 MM BTU/hr process heater;
- Addition of new Naphtha Unifiner Unit (8,000 BOPD) including two new process heaters (8.4 and 13.7 MM BTU/hr);
- Addition of a new Hydrogen Plant including two 40 MM BTU/hr reformers; the reformers will be equipped with ultra-low NOx burners (ULNB);
- Addition of a new 40 MM BTU/hr reformer for the existing hydrogen plant; the reformer will be equipped with a ULNB burner;
- Fugitive emissions from components associated with the project;
- Fugitive emissions from drains associated with the project;
- Two 25,000 bbl lube oil storage tanks;
- Two 50,000 bbl lube oil storage tanks;
- Two 10,000 bbl asphalt storage tanks;
- Four 5,000 bbl asphalt storage tanks;
- One 10,000 bbl lube oil storage tank;
- One 5,000 bbl lube oil storage tank; and
- Addition of eight asphalt tank heaters (1.6 MM BTU/hr each).

Calumet has analyzed the proposed project for Prevention of Significant Deterioration (PSD) applicability and has determined that the PSD significance level is exceeded for Volatile Organic Compounds (VOCs) and nitrogen dioxide (NO<sub>2</sub>); therefore a PSD review is required for these pollutants.

Calumet has conducted a Significant Impact Analysis (SIA) by modeling net emission increases of NO<sub>2</sub> resultant from the proposed project. The SIA results indicate that the project's impact is

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insignificant (i.e. the project increases will not cause or significantly contribute to an exceedance for the National Ambient Air Quality standard (NAAQS) or PSD Increment standards).

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Permitted</u>
PM <sub>10</sub>	6.30
SO <sub>2</sub>	22.38
NO <sub>x</sub>	46.39
CO	69.89
VOC*	44.84

\*LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Permitted</u>
1,3-Butadiene	0.002
2,2,4-Trimethylpentane	0.001
Barium (and compounds)	0.004
Benzene	0.002
Cadmium (and compounds)	0.001
Chromium VI (and compounds)	0.001
Ethyl benzene	0.06
Formaldehyde	0.06
Hydrogen sulfide	0.02
Methyl ethyl ketone	0.80
Naphthalene	0.04
Nickel (and compounds)	0.002
Toluene	0.81
Xylene (mixed isomers)	0.04
Zinc (and compounds)	0.02
n-Hexane	1.50
Total	3.36

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**IV. Type of Review**

Estimated actual emission increases due to the project in tons per year are as follows:

Pollutant	Contemp. Increase	Project Increase	Net Change	PSD de minimis	PSD Review Required
PM <sub>10</sub>	-	+ 6.30	+ 6.30	15	No
SO <sub>2</sub>	-	+22.38	+22.38	40	No
NO <sub>x</sub>	+30.60	+46.39	+76.99	40	Yes
CO	-	+69.89	+69.89	100	No
VOC	+24.99	+44.84	+69.83	40	Yes

Calumet is located in an attainment area. The increase in VOC and NO<sub>x</sub> emissions is greater than 40 tons per year and requires a netting analysis. The contemporaneous netting period is from August 1, 2003 to August 1, 2008. After netting, the net change for VOC is 69.83 tons per year and NO<sub>x</sub> is 76.99 tons per year, which exceeds attainment area major modification significant net increase limit (40 TPY). Therefore, PSD review is required with Best Available Control Technology (BACT) analysis.

A PSD review is required for the modification of an existing major source, which results in a significant increase in emissions of a regulated pollutant. PSD review is not required for PM<sub>10</sub>, SO<sub>2</sub>, and CO in this case. PSD is required for VOC and NO<sub>x</sub> emissions, which will be permitted under PSD-LA -732.

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, PSD, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP).

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The increases in CO and SO<sub>2</sub> emissions are greater than 50% of PSD thresholds, therefore periodic monitoring is required as per LAC 33:III.507.H.1.a, which was promulgated on December 20, 2007.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable

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requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: <AERMOD>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
NO <sub>x</sub>		0.98 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>

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**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates Tons Per Year					
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	Others
Gas & Liquid Sampling	365 times/yr					0.004	
Valve Maintenance	26 times/yr					0.02	
Safety inspections	208 times/yr					<0.01	
Checks on Rupture Discs	52 times/yr					0.05	
Instrument Maintenance	52 times/yr					0.05	
Vessel and Equipment Prep.	5 times/yr					0.07	
Tank Gauging	52 times/yr					0.001	
Equipment Startup	26 times/yr					<0.01	
Equipment Turnarounds	10 times/yr					<0.01	
Changing Filters	52 times/wk					0.70	
Compressor Maintenance	5 times/yr					0.01	
Draining Compressor Bottles	10 times/yr					<0.01	
Pump Maintenance	26 times/yr					0.08	
Miscellaneous Equipment Maintenance & Prep.	52 times/yr					0.71	

**IX. Insignificant Activities**

ID No.:	Description	Citation
I-1	Nukleen 504-D, four - 1000 gallon soap storage tanks	LAC 33:III.501.B.5.A.3.
I-2	Nukleen ES-76, one- 100 gallon solvent cleaner storage tank	LAC 33:III.501.B.5.A.3.
I-3	EC9017A, one-400 gallon antifoam tank	LAC 33:III.501.B.5.A.3.
I-4	BL-1555, one-300 gallon steam line treatment	LAC 33:III.501.B.5.A.3.
I-5	BL-1555, one -800 gallon diethanolamine storage tank	LAC 33:III.501.B.5.A.3.
I-6	BL-1240, one - 800 gallon O <sub>2</sub> scavenger	LAC 33:III.501.B.5.A.3.
I-7	BL-4350, one - 800 gallon boiler water treatment	LAC 33:III.501.B.5.A.3.
I-8	One - 300 gallon caustic soda storage tank	LAC 33:III.501.B.5.A.10
I-9	One - 275 gallon aqua ammonia	LAC 33:III.501.B.5.A.10
I-10	Four caustic tanks	LAC 33:III.501.B.5.B.40
I-11	Ten fume hoods	LAC 33:III.501.B.5.A.6

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**Specific Conditions**

Permittee shall comply with a streamlined equipment leak monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Non-compliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emissions programs.

- i) Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (LAC 33:III.Chapter 51) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamline program will include any exemptions based on size of component available in any of the programs being streamlined.
- ii) Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
- iii) Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on January 31 and July 31, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting periods.
- iv) The facility shall comply with the requirements of the Louisiana MACT Determination for Refinery Equipment Leaks (LDREL) dated July 26, 1994, except as noted below:
  - A. A connector is in VOTAP service if a piece of equipment that either contains or contacts a volatile fluid (liquid or gas) that is at least 5% of the sum of all Class I and II organic toxic air pollutants.
  - B. Connectors that are determined to be leaking by visual, audible, olfactory, or any other detection method shall be monitored, repaired, recorded, and reported according to the provisions in the Louisiana Refinery Equipment Leaks Determination and any applicable equipment leak programs.
  - C. Connectors associated with valves shall be monitored according to the valve requirements of the applicable program. However, each associated connector shall be

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monitored as part of the valve and not as separate component. A connector that is associated with a valve and is determined to be leaking shall result in the valve being recorded as a leaking valve and included in the calculation of percent valves leaking.

- D. Permittee shall submit to the Office of Environmental Assessment, Environmental Technology Division reports containing information concerning valves. Calumet Lubricants shall include on these reports the number of connectors associated with the valves that were monitored and the number of connectors found leaking, but shall not report a percent connectors leaking.

<b>Unit or Plant Site</b>	<b>Program Being Streamlined</b>	<b>Stream Applicability</b>	<b>Overall Most Stringent Program</b>
Calumet Shreveport Refinery	Louisiana MACT Determination for Refineries	≥ 5% VOTAP	Louisiana MACT Determination for Refineries
	40 CFR 63 Subpart CC-Refinery MACT Modified HON Option	≥ 5% VOHAP	
	40 CFR 61 Subparts J and V (LAC 33:III.5133 and 5171)-NESHAP for Equipment Leaks of Benzene	≥ 10% VHAP (Benzene)	
	40 CFR 60 Subparts VV and GGG (LAC 33:III.3730-3749 and 4780-4783)-NSPS for Equipment Leaks of VOC in SOCOMI or Refineries	≥ 10% VOC	
	LAC 33:III.2121-Louisiana Fugitive Emission Control for Specified Parishes	≥ 10% VOC	
	LAC 33:III.5109 – Louisiana MACT Determination for Non-HON Sources	≥ 5% VOTAP	

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements		LAC 33:III.Chapter																					
		ID No.:	Description	5*	509	9	11	13	15	2103	2104*	2107	2109	2111	2115	2121	22	29*	51*	53*	56	59*	
UNF0002	Plant Wide		1																				
EQT0251	VII-o Lube Hydrofinish Heater	1		1	1	1	2																
EQT0252	VII-p PDA Heater	1		1	1	1	2																
EQT0253	VII-q Naphtha Charge Heater	1		1	1	1	2																
EQT0254	VII-r Naphtha Reboiler Heater	1		1	1	1	2																
EQT0255	VII-t New Reformer- Existing Hydrogen Plant	1		1	1	1	2																
EQT0256	VII-u New Reformer #1 - New Hydrogen Plant	1		1	1	1	2																
EQT0257	VII-v New Reformer #2 - New Hydrogen Plant	1		1	1	1	2																
EQT0261	VIII-m Tank 207 Heater 1	1		1	1	1	2																
EQT0262	VIII-n Tank 207 Heater 2	1		1	1	1	2																
EQT0263	VIII-o Tank 208 Heater 1	1		1	1	1	2																
EQT0264	VIII-p Tank 208 Heater 2	1		1	1	1	2																
EQT0265	VIII-q Tank 212 Heater	1		1	1	1	2																
EQT0266	VIII-r Tank 213 Heater	1		1	1	1	2																
EQT0267	VIII-s Tank 214 Heater	1		1	1	1	2																
EQT0268	VIII-t Tank 215 Heater	1		1	1	1	2																
EQT0269	T-203-Fixed Roof Storage Tank																						
EQT0270	T-204-Fixed Roof Storage Tank																						
EQT0271	T-205-Fixed Roof Storage Tank																						
EQT0272	T-206 Fixed Roof Storage Tank																						

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III. Chapter																			
		5 <sup>A</sup>	509	9	11	13	15	2103	2104*	2107	2109	2111	2115	2121	22	29*	51*	53*	56	59*	
EQT0273	T-207 Asphalt Tank							2													
EQT0274	T-208 Asphalt Tank						2														
EQT0275	T-212 Asphalt Tank						2														
EQT0276	T-213 Asphalt Tank						2														
EQT0277	T-214 Asphalt Tank						2														
EQT0278	T-215 Asphalt Tank						2														
EQT0279	T-216 Fixed Roof Storage Tank						2														
EQT0280	T-217 Fixed Roof Storage Tank						2														
FUG0003	FUG-IV-Fugitives from IV Project Components										1		1								1
FUG0004	FUG-DR-Fugitives from New Drains														2						

\* The regulations indicated above are State Only regulations.

<sup>A</sup> All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
  - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
  - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank - The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60 NSPS										40 CFR 63 NESHAP					40 CFR 61		40 CFR 68							
		A	J	Ka	Kb	Dc	VV	GGG	UU	QQQ	A	J	V	A	CC	SS	VV	HHH	A	V	HH	64	68			
UNF0002	Plant Wide	1																								
EQT0251	VII-o Lube Hydrofinish Heater		1			3																				
EQT0252	VII-p PDA Heater		1			3																				
EQT0253	VII-q Naphtha Charge Heater		1			3																				
EQT0254	VII-r Naphtha Reboiler Heater		1			3																				
EQT0255	VII-t New Reformer- Existing Hydrogen Plant		1			3																				
EQT0256	VII-u New Reformer #1 - New Hydrogen Plant		1			3																				
EQT0257	VII-v New Reformer #2 - New Hydrogen Plant		1			3																				
EQT0261	VIII-m Tank 207 Heater 1		1			3																				
EQT0262	VIII-n Tank 207 Heater 2		1			3																				
EQT0263	VIII-o Tank 208 Heater 1		1			3																				
EQT0264	VIII-p Tank 208 Heater 2		1			3																				
EQT0265	VIII-q Tank 212 Heater		1			3																				
EQT0266	VIII-r Tank 213 Heater		1			3																				
EQT0267	VIII-s Tank 214 Heater		1			3																				
EQT0268	VIII-t Tank 215 Heater		1			3																				
EQT0269	T-203-Fixed Roof Storage Tank				3																					
EQT0270	T-204-Fixed Roof Storage Tank				3																					
EQT0271	T-205-Fixed Roof Storage Tank				3																					
EQT0272	T-206 Fixed Roof Storage Tank				3																					



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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQT0251-0254 Heaters, EQT0255-0257 Reformers, EQT0261-0268, Heaters.	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 250 tons of SO <sub>2</sub> per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO <sub>2</sub> standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918. DOES NOT APPLY. These sources are not steam generating units as defined in 40 CFR 60.41(c).
EQT0269-0280 Storage Tanks	40 CFR 60 Subpart Dc – NSPS Standards of Performance for Small Industrial-Commercial-Institutional Steam-Generating Units LAC 33:III.2103.B Control of Emission of Organic Compounds NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.	DOES NOT APPLY. These tanks are not used to store a material with a vapor pressure > 1.5 psia. EXEMPT. These tanks are not used to store a material with a vapor pressure > 1.5 psia. [40 CFR 60.110b]
FUG0003 FUG-HF	40 CFR 63 Subpart CC – National Emissions Standards for Hazardous Air Pollutants from Petroleum Refineries, 40 CFR 63.646(a) 40 CFR 60 Subpart GGG NSPS Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries	DOES NOT APPLY. These storage tanks are not Group I storage vessels as defined in 40 CFR 63.641. EXEMPT. Facilities subject to 40 CFR 60 Subpart VV are exempted from this subpart. 40 CFR 60.590(d).

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

**40 CFR PART 70 GENERAL CONDITIONS**

- 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  - 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
- 1. the date, place as defined in the permit, and time of sampling or measurements;
  - 2. the date(s) analyses were performed;
  - 3. the company or entity that performed the analyses;
  - 4. the analytical techniques or methods used;
  - 5. the results of such analyses; and
  - 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

### 40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

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**LOUISIANA AIR EMISSION PERMIT**  
**GENERAL CONDITIONS**  
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
  
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
  
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 16, 2007, along with supplemental information dated January 24, February 19, and June 24, 2008.
  
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
  
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT**  
**GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
  2. Report by September 30 to cover April through June
  3. Report by December 31 to cover July through September
  4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

**LOUISIANA AIR EMISSION PERMIT  
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- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Facility Wide Phase IV Project															
EQT 0251 VII-o	1.26	1.51	5.52	1.50	1.80	6.57	0.11	0.14	0.50	0.40	0.48	1.77	0.08	0.10	0.36
EQT 0252 VII-p	1.68	2.02	7.36	2.00	2.40	8.76	0.15	0.18	0.67	0.54	0.65	2.36	0.11	0.13	0.48
EQT 0253 VII-q	1.15	1.38	5.04	1.37	1.64	6.00	0.10	0.12	0.46	0.37	0.44	1.61	0.08	0.09	0.33
EQT 0254 VII-r	0.71	0.85	3.09	0.84	1.01	3.68	0.06	0.08	0.28	0.23	0.27	0.99	0.05	0.06	0.20
EQT 0255 VII-s	3.36	4.03	14.72	1.20	1.44	5.26	0.30	0.36	1.33	1.08	1.29	4.71	0.22	0.26	0.96
EQT 0256 VII-t	3.36	4.03	14.72	1.20	1.44	5.26	0.30	0.36	1.33	1.08	1.29	4.71	0.22	0.26	0.96
EQT 0257 VII-u	3.36	4.03	14.72	1.20	1.44	5.26	0.30	0.36	1.33	1.08	1.29	4.71	0.22	0.26	0.96
EQT 0261 VII-v	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0262 VII-w	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0263 VII-x	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0264 VII-y	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0265 VII-z	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0266 VIII-a	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0267 VIII-b	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0268 VIII-c	0.13	0.16	0.59	0.16	0.19	0.70	0.01	0.01	0.05	0.04	0.05	0.19	0.01	0.01	0.04
EQT 0269 T-203															
EQT 0270 T-204															
EQT 0271 T-205															
EQT 0272 T-206															
EQT 0273 T-207															
EQT 0274 T-208															
EQT 0275 T-212															
EQT 0276 T-213															

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Facility Wide Phase IV Project															
EQT 0277 T-214													0.14	0.14	0.63
EQT 0278 T-215													0.14	0.14	0.63
EQT 0279 T-216													0.003	0.003	0.01
EQT 0280 T-217													0.002	0.002	0.01
FUG 0003 FUG-IV													7.16	7.16	31.36
FUG 0004 FUG-OR													0.81	0.97	3.55

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0251 VII-o	Barium (and compounds)	0.0001	0.0001	0.0003
	Benzene	< 0.0001	< 0.0001	0.0001
	Cadmium (and compounds)	< 0.0001	< 0.0001	0.0001
	Chromium VI (and compounds)	< 0.0001	< 0.0001	0.0001
	Formaldehyde	0.001	0.001	0.005
	Nickel (and compounds)	< 0.0001	< 0.0001	0.0001
	Toluene	0.0001	0.0001	0.0002
	Zinc (and compounds)	0.0004	0.001	0.002
	n-Hexane	0.03	0.03	0.12
EQT 0252 VII-p	Barium (and compounds)	0.0001	0.0001	0.0004
	Benzene	< 0.0001	0.0001	0.0002
	Cadmium (and compounds)	< 0.0001	< 0.0001	0.0001
	Chromium VI (and compounds)	< 0.0001	< 0.0001	0.0001
	Formaldehyde	0.002	0.002	0.01
	Nickel (and compounds)	< 0.0001	0.0001	0.0002
	Toluene	0.0001	0.0001	0.0003
	Zinc (and compounds)	0.001	0.001	0.003
	n-Hexane	0.04	0.04	0.16
EQT 0253 VII-q	Barium (and compounds)	0.0001	0.0001	0.0003
	Benzene	< 0.0001	< 0.0001	0.0001
	Cadmium (and compounds)	< 0.0001	< 0.0001	0.0001
	Chromium VI (and compounds)	< 0.0001	< 0.0001	0.0001
	Formaldehyde	0.001	0.001	0.005
	Nickel (and compounds)	< 0.0001	< 0.0001	0.0001
	Toluene	< 0.0001	0.0001	0.0002
	Zinc (and compounds)	0.0004	0.001	0.002
	n-Hexane	0.02	0.03	0.11
EQT 0254 VII-r	Barium (and compounds)	< 0.0001	< 0.0001	0.0002
	Benzene	< 0.0001	< 0.0001	0.0001
	Chromium VI (and compounds)	< 0.0001	< 0.0001	0.0001
	Formaldehyde	0.001	0.001	0.003
	Nickel (and compounds)	< 0.0001	0.0001	0.0001
	Toluene	< 0.0001	< 0.0001	0.0001
	Zinc (and compounds)	0.0002	0.0003	0.001

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0254 VII-r	n-Hexane	0.02	0.02	0.07
EQT 0255 VII-t	Barium (and compounds)	< 0.001	< 0.001	< 0.01
	Formaldehyde	0.003	0.004	0.01
	Toluene	< 0.001	< 0.001	< 0.01
	Zinc (and compounds)	0.001	0.001	< 0.01
	n-Hexane	0.07	0.09	0.32
EQT 0256 VII-u	Barium (and compounds)	< 0.001	< 0.001	< 0.01
	Formaldehyde	0.003	0.004	0.01
	Toluene	< 0.001	< 0.001	< 0.01
	Zinc (and compounds)	0.001	0.001	0.01
	n-Hexane	0.07	0.09	0.32
EQT 0257 VII-v	Barium (and compounds)	< 0.001	< 0.001	< 0.01
	Formaldehyde	0.003	0.004	0.01
	Toluene	< 0.001	< 0.001	< 0.01
	Zinc (and compounds)	0.001	0.001	0.01
	n-Hexane	0.07	0.09	0.32
EQT 0261 VIII-m	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0262 VIII-n	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0263 VIII-o	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0264 VIII-p	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0265 VIII-q	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0266 VIII-r	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0267 VIII-s	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
EQT 0268 VIII-H	Formaldehyde	0.0001	0.0001	0.0005
	Zinc (and compounds)	< 0.0001	0.0001	0.0002
	n-Hexane	0.003	0.004	0.01
FUG 0003 FUG-IV	1,3-Butadiene	0.001	0.001	< 0.01
	2,2,4-Trimethylpentane	< 0.001	< 0.001	< 0.01
	Ethyl benzene	0.01	0.01	0.06
	Hydrogen sulfide	0.004	0.004	0.02
	Methyl ethyl ketone	0.18	0.18	0.80
	Naphthalene	0.01	0.01	0.04
	Toluene	0.18	0.18	0.81
	Xylene (mixed isomers)	0.01	0.01	0.04
	n-Hexane	0.001	0.001	0.01
UNF 0002 UNF0002	1,3-Butadiene			< 0.01
	2,2,4-Trimethylpentane			< 0.01
	Barium (and compounds)			< 0.01
	Benzene			< 0.01
	Cadmium (and compounds)			< 0.01
	Chromium VI (and compounds)			< 0.01
	Ethyl benzene			0.06
	Formaldehyde			0.05
	Hydrogen sulfide			0.02
	Methyl ethyl ketone			0.80
	Naphthalene			0.04
	Nickel (and compounds)			0.01
	Toluene			0.81
	Xylene (mixed isomers)			0.04
	Zinc (and compounds)			0.02
n-Hexane			1.50	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**General Information**

**AI ID: 1214 Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery**

**Activity Number: PER20070011**

**Permit Number: 3065-V0**

**Air - Title V Regular Permit Initial**

Also Known As:	ID	Name	User Group	Start Date
	0500-00005	Calumet Lubricants Co LP - Shreveport Refinery	CDS Number	05-27-1993
	LAD008052334	Calumet Shreveport Refinery	Hazardous Waste Notification	08-18-1980
	01832	Inactive & Abandoned Site	Inactive & Abandoned Sites	04-28-1999
	LAD008052334	HW File #	Inactive & Abandoned Sites	06-09-1981
	LA0032417	LPDES #	LPDES Permit #	05-22-2003
	LAR05N804	LPDES Permit #	LPDES Permit #	04-04-2007
	WP0924	LWDPS #	LWDPS Permit #	06-25-2003
		Calumet Shreveport LLC	Multimedia	05-01-2004
		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	LA-4017-L01A	Radioactive Material License	Radiation License Number	07-26-2002
	10791	X-Ray Registration Number	Radiation X-ray Registration Number	04-28-2003
	G-017-1858	Site ID #	Solid Waste Facility No.	11-21-1999
	GD-017-1649	SW ID #	Solid Waste Facility No.	12-29-2004
	113991	Atlas Processing Co	TEMPO Merge	03-09-2006
	38876	Pennzoil Products Co - Shreveport Refinery	TEMPO Merge	08-26-2001
	44015	Standard Oil Refinery	TEMPO Merge	12-30-2001
	71109TSLSPR3333M	TRI #	Toxic Release Inventory	07-09-2004
	09007204	UST Facility ID (from UST legacy data)	UST FID #	10-11-2002

**Physical Location:**

3333 Midway St  
Shreveport, LA 71109

**Main FAX:** 3186324225

**Main Phone:** 3186324102

**Mailing Address:**

PO Box 3099  
Shreveport, LA 710333099

**Related People:**

Name	Mailing Address	Phone (Type)	Relationship
Tom Germany	PO Box 3099 Shreveport, LA 711333099		Responsible Official for
Kevin Hughes	PO Box 1168 Baltimore, MD 712031168	4105397400 (WP)	Motor Fuel Delivery Certificate Contact for
Lyndon Johnson	PO Box 3099 Shreveport, LA 711333099	3186324269 (WP)	Accident Prevention Contact for
Lyndon Johnson	PO Box 3099 Shreveport, LA 711333099	3186324269 (WP)	Accident Prevention Billing Party for
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3186324006 (WP)	Radiation Safety Officer for
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3186324113 (WF)	Radiation Safety Officer for
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	Bobt@CalumetLubri	Radiation Safety Officer for
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3184701676 (CP)	Radiation Safety Officer for
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3186324006 (WP)	Radiation Contact For
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3186324113 (WF)	Radiation Contact For

**General Information**

**AJID: 1214 Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery**  
**Activity Number: PER20070011**  
**Permit Number: 3065-V0**  
**Air - Title V Regular Permit Initial**

**Related People:**

Name	Mailing Address	Phone (Type)	Relationship
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	Bobt@CalumetLubri	Radiation Contact For
Robert Thomas	PO Box 3099 Shreveport, LA 711333099	3184701676 (CP)	Radiation Contact For
Rick Williams	PO Box 3099 Shreveport, LA 711333099	rick.williams@calum	Emission Inventory Contact for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	3186324102 (WP)	Emission Inventory Contact for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	rick.williams@calum	Underground Storage Tank Contact for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	3186324102 (WP)	Underground Storage Tank Contact for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	rick.williams@calum	Solid Waste Billing Party for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	3186324102 (WP)	Solid Waste Billing Party for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	rick.williams@calum	Haz. Waste Billing Party for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	3186324102 (WP)	Haz. Waste Billing Party for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	rick.williams@calum	Water Billing Party for
Rick Williams	PO Box 3099 Shreveport, LA 711333099	3186324102 (WP)	Water Billing Party for

**Related Organizations:**

Name	Address	Phone (Type)	Relationship
Calumet Lubricants Co LP	2780 Waterfront Pkwy Ste 200 Indianapolis, IN 46214		UST Employer
Calumet Shreveport LLC	5400 W 86th Indianapolis, IN 46268		Owns
Calumet Shreveport LLC	5400 W 86th Indianapolis, IN 46268		Radiation Registration Billing Party for
Calumet Shreveport LLC	5400 W 86th Indianapolis, IN 46268		UST Billing Party for
Calumet Shreveport LLC	5400 W 86th Indianapolis, IN 46268		Radiation License Billing Party for
Calumet Shreveport LLC	5400 W 86th Indianapolis, IN 46268		Emission Inventory Billing Party
Calumet Shreveport Lubricants & Waxes LLC	3333 Midway St Shreveport, LA 71109	3186362711 (WP)	Air Billing Party for
Calumet Shreveport Lubricants & Waxes LLC	3333 Midway St Shreveport, LA 71109	3186362711 (WP)	Operates
J Graves Insulation Co Inc	PO Box 8830 Shreveport, LA 711068830	3188613526 (WP)	Provides environmental services for
J Graves Insulation Co Inc	PO Box 8830 Shreveport, LA 711068830	3188652167 (WF)	Provides environmental services for

**Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.**

**INVENTORIES**  
**AJ ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery**  
**Activity Number: PER20070011**  
**Permit Number: 3065-V0**  
**Air - Title V Regular Permit Initial**

**Subject Item Inventory:**

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Facility Wide Phase IV Project</b>						
EQT0251	VII-o - Lube Hydrofinish Heater		15 MM BTU/hr	15 MM BTU/hr		8760 hr/yr (All Year)
EQT0252	VII-p - PDA Heater		20 MM BTU/hr	20 MM BTU/hr		8760 hr/yr (All Year)
EQT0253	VII-q - Naphtha Charge Heater		13.7 MM BTU/hr	13.7 MM BTU/hr		8760 hr/yr (All Year)
EQT0254	VII-r - Naphtha Reboiler Heater		8.4 MM BTU/hr	8.4 MM BTU/hr		8760 hr/yr (All Year)
EQT0255	VII-t - New Reformer - Existing Hydrogen Plant		40 MM BTU/hr	40 MM BTU/hr		8760 hr/yr (All Year)
EQT0256	VII-u - New Reformer #1 - New Hydrogen Plant		40 MM BTU/hr	40 MM BTU/hr		8760 hr/yr (All Year)
EQT0257	VII-v - New Reformer #2 - New Hydrogen Plant		40 MM BTU/hr	40 MM BTU/hr		8760 hr/yr (All Year)
EQT0261	VIII-m - Tank 207 Heater 1		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0262	VIII-n - Tank 207 Heater 2		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0263	VIII-o - Tank 208 Heater 1		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0264	VIII-p - Tank 208 Heater 2		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0265	VIII-q - Tank 212 Heater		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0266	VIII-r - Tank 213 Heater		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0267	VIII-s - Tank 214 Heater		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0268	VIII-t - Tank 215 Heater		1.6 MM BTU/hr	1.6 MM BTU/hr		8760 hr/yr (All Year)
EQT0269	T-203 - Fixed Roof Storage Tank	25000 bbl	625000 bbl/yr	625000 bbl/yr	Lube Oil	8760 hr/yr (All Year)
EQT0270	T-204 - Fixed Roof Storage Tank	25000 bbl	625000 bbl/yr	625000 bbl/yr	Lube Oil	8760 hr/yr (All Year)
EQT0271	T-205 - Fixed Roof Storage Tank	50000 bbl	1.25 MM bbl/yr	1.25 MM bbl/yr	Lube Oil	8760 hr/yr (All Year)
EQT0272	T-206 - Fixed Roof Storage Tank	50000 bbl	1.25 MM bbl/yr	1.25 MM bbl/yr	Lube Oil	8760 hr/yr (All Year)
EQT0273	T-207 - Asphalt Tank	10000 bbl	520000 bbl/yr	520000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0274	T-208 - Asphalt Tank	10000 bbl	520000 bbl/yr	520000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0275	T-212 - Asphalt Tank	5000 bbl	260000 bbl/yr	260000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0276	T-213 - Asphalt Tank	5000 bbl	260000 bbl/yr	260000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0277	T-214 - Asphalt Tank	5000 bbl	260000 bbl/yr	260000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0278	T-215 - Asphalt Tank	5000 bbl	260000 bbl/yr	260000 bbl/yr	Asphalt	8760 hr/yr (All Year)
EQT0279	T-216 - Fixed Roof Storage Tank	10000 bbl	250000 bbl/yr	250000 bbl/yr	Heavy Lube Oil	8760 hr/yr (All Year)
EQT0280	T-217 - Fixed Roof Storage Tank	5000 bbl	125000 bbl/yr	125000 bbl/yr	Heavy Lube Oil	8760 hr/yr (All Year)
FUG0003	FUG-IV - Fugitives from IV Project Components					8760 hr/yr (All Year)
FUG0004	FUG-DR - Fugitives from New Drains					8760 hr/yr (All Year)

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Facility Wide Phase IV Project</b>							
EQT0251	VII-o - Lube Hydrofinish Heater	18.1	13640	4		97	510
EQT0252	VII-p - PDA Heater	19.6	8308	3		75	560
EQT0253	VII-q - Naphtha Charge Heater	10.1	3730	2.8		33	575
EQT0254	VII-r - Naphtha Reboiler Heater	6.1	3724	3.6		45	630
EQT0255	VII-t - New Reformer - Existing Hydrogen Plant	86.8	65488	4		72	700

**INVENTORIES**

**AJ ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery**

**Activity Number: PER20070011**

**Permit Number: 3065-V0**

**Air - Title V Regular Permit Initial**

**Stack Information:**

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
<b>Facility Wide Phase IV Project</b>							
EQ10256	VII-u - New Reformer #1 - New Hydrogen Plant	86.9	65488	4		72	700
EQ10257	VII-v - New Reformer #2 - New Hydrogen Plant	86.9	65488	4		72	700
EQ10261	VIII-m - Tank 207 Heater 1	56.1	661	3		34	600
EQ10262	VIII-n - Tank 207 Heater 2	56.1	661	3		34	600
EQ10263	VIII-o - Tank 208 Heater 1	56.1	661	3		34	600
EQ10264	VIII-p - Tank 208 Heater 2	56.1	661	3		34	600
EQ10265	VIII-q - Tank 212 Heater	56.1	661	3		34	600
EQ10266	VIII-r - Tank 213 Heater	56.1	661	3		34	600
EQ10267	VIII-s - Tank 214 Heater	56.1	661	3		34	600
EQ10268	VIII-t - Tank 215 Heater	56.1	661	3		34	600
EQ10269	T-203 - Fixed Roof Storage Tank			1		42	
EQ10270	T-204 - Fixed Roof Storage Tank			1		42	
EQ10271	T-205 - Fixed Roof Storage Tank			1		50	70
EQ10272	T-206 - Fixed Roof Storage Tank			1		50	70
EQ10273	T-207 - Asphalt Tank			1		30	70
EQ10274	T-208 - Asphalt Tank			1		30	70
EQ10275	T-212 - Asphalt Tank			1		30	70
EQ10276	T-213 - Asphalt Tank			1		30	70
EQ10277	T-214 - Asphalt Tank			1		30	70
EQ10278	T-215 - Asphalt Tank			1		30	70
EQ10279	T-216 - Fixed Roof Storage Tank			1		30	70
EQ10280	T-217 - Fixed Roof Storage Tank			1		30	70

**Relationships:**

**Subject Item Groups:**

ID	Group Type	Group Description
CRG0001	Common Requirements Group	CRG0001 - Heaters & Reformers
CRG0003	Common Requirements Group	CRG0003 - Asphalt Tanks
CRG0004	Common Requirements Group	CRG0004 - ULNB Reformers
UNF0002	Unit or Facility Wide	UNF0002 - Facility Wide Phase IV Project

**Group Membership:**

ID	Description	Member of Groups
EQ10251	VII-o - Lube Hydrofinish Heater	CRG0000000001

**INVENTORIES**

AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery

Activity Number: PER20070011

Permit Number: 3065-V0

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**Group Membership:**

ID	Description	Member of Groups
EQT0252	VII-p - PDA Heater	CRG00000000001
EQT0253	VII-q - Naphtha Charge Heater	CRG00000000001
EQT0254	VII-r - Naphtha Reboiler Heater	CRG00000000001
EQT0255	VII-t - New Reformer - Existing Hydrogen Plant	CRG00000000004
EQT0256	VII-u - New Reformer #1 -New Hydrogen Plant	CRG00000000004
EQT0257	VII-v - New Reformer #2 - New Hydrogen Plant	CRG00000000004
EQT0261	VIII-m - Tank 207 Heater 1	CRG00000000001
EQT0262	VIII-n - Tank 207 Heater 2	CRG00000000001
EQT0263	VIII-o - Tank 208 Heater 1	CRG00000000001
EQT0264	VIII-p - Tank 208 Heater 2	CRG00000000001
EQT0265	VIII-q - Tank 212 Heater	CRG00000000001
EQT0266	VIII-r - Tank 213 Heater	CRG00000000001
EQT0267	VIII-s - Tank 214 Heater	CRG00000000001
EQT0268	VIII-t - Tank 215 Heater	CRG00000000001
EQT0273	T-207 - Asphalt Tank	CRG00000000003
EQT0274	T-208 - Asphalt Tank	CRG00000000003
EQT0275	T-212 - Asphalt Tank	CRG00000000003
EQT0276	T-213 - Asphalt Tank	CRG00000000003
EQT0277	T-214 - Asphalt Tank	CRG00000000003
EQT0278	T-215 - Asphalt Tank	CRG00000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	1	1,000 BBL/Day

**SIC Codes:**

2911	Petroleum refining	JNF002
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**SPECIFIC REQUIREMENTS**

**AI ID: 1214 - Calumet Shreveport Lubricants & Waxes LLC - Shreveport Refinery**

**Activity Number: PER20070011**

**Permit Number: 3065-V0**

**Air - Title V Regular Permit Initial**

**FUG0003 FUG-IV Fugitives from IV Project**

- 1 [40 CFR 60.486(i)] Equipment/operational data recordkeeping by logbook at the approved frequency. Record and keep the specified information in a readily accessible location for use in determining exemptions as provided in 40 CFR 60.480(d). Subpart VV. [40 CFR 60.486(i)]
- 2 [40 CFR 63.648(a)] Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]
- 3 [40 CFR 63.648(a)] Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]
- 4 [40 CFR 63.648(c)] Comply with the requirements of 40 CFR 63.161 through 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
- 5 [40 CFR 63.648(h)] Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
- 6 [40 CFR 63.654(d)] Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]
- 7 [LAC 33:III.2121.B.1] Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
- 8 [LAC 33:III.2121.B.2] Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 9 [LAC 33:III.2121.B.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
- 10 [LAC 33:III.2121.C.1.a.i] Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 11 [LAC 33:III.2121.C.1.a.ii] Which Months: All Year Statistical Basis: None specified  
Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 12 [LAC 33:III.2121.C.1.a.iii] Which Months: All Year Statistical Basis: None specified  
Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 13 [LAC 33:III.2121.C.1.b.i] Which Months: All Year Statistical Basis: None specified  
Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 14 [LAC 33:III.2121.C.1.b.ii] Which Months: All Year Statistical Basis: None specified  
Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).
- 15 [LAC 33:III.2121.C.1.b.iii] Which Months: All Year Statistical Basis: None specified  
Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 16 [LAC 33:III.2121.C.1.c] Which Months: All Year Statistical Basis: None specified  
Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).

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**FUG0003 FUG-IV Fugitives from IV Project**

- 17 [LAC 33:III.2121.C.3.a] Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 18 [LAC 33:III.2121.C.3.b] Which Months: All Year Statistical Basis: None specified  
All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.
- 19 [LAC 33:III.2121.C.4.c] Which Months: All Year Statistical Basis: None specified  
Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
- 20 [LAC 33:III.2121.C.4.c] Which Months: All Year Statistical Basis: None specified  
Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.
- 21 [LAC 33:III.2121.E.1] Which Months: All Year Statistical Basis: None specified  
When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
- 22 [LAC 33:III.2121.E] Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
- 23 [LAC 33:III.2121.F] Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
- 24 [LAC 33:III.5109.A] Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

**FUG0004 FUG-DR Fugitives from New Drains**

- 25 [40 CFR 60.697] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep for the life of the facility in a readily accessible location the design specifications which demonstrate that stormwater sewer systems, ancillary equipment, and non-contact cooling water systems subject to exemptions in 40 CFR 60.692-1 do not receive or come in contact with process or oily wastewaters per 40 CFR 60.697(h), (i), and (j). Subpart QQQ.

**CRG0001 Heaters and Reformers**

- Group Members: EQT0251 EQT0252 EQT0253 EQT0254 EQT0261 EQT0262 EQT0263 EQT0264 EQT0265 EQT0266 EQT0267 EQT0268
- 26 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 27 [40 CFR 60.105(a)(3)(ii)] Fuel gas: Sulfur dioxide <= 20 ppm dry basis, 0% excess air. Subpart J. [40 CFR 60.105(a)(3)(ii)]  
Which Months: All Year Statistical Basis: Three-hour rolling average

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**CRG0001 Heaters and Reformers**

- 28 [40 CFR 60.105(a)(4)] Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H2S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]  
Which Months: All Year Statistical Basis: None specified
- 29 [40 CFR 60.106(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 30 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J
- 31 [LAC 33-III 1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 32 [LAC 33-III.1305] Which Months: All Year Statistical Basis: None specified  
Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to those specified in LAC 33-III.1305.A.1-7.
- 33 [LAC 33-III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 34 [LAC 33-III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input  
Which Months: All Year Statistical Basis: None specified
- 35 [LAC 33-III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

**CRG0003 Asphalt Tanks**

- Group Members: EQT0273 EQT0274 EQT0275 EQT0276 EQT0277 EQT0278
- 36 [40 CFR 60.472(c)] Opacity <= 0 percent, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. Do not bypass the control device during this 15-minute period. If emissions from any asphalt storage tank(s) are ducted to a control device for a saturator, meet the emission limit contained in 40 CFR 60.472(a) for the combined emissions during the time the saturator control device is operating. Subpart UU. [40 CFR 60.472(c)]  
Which Months: All Year Statistical Basis: None specified
- 37 [40 CFR 60.474(b)] Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.474, except as provided in 40 CFR 60.8(b), in conducting the performance tests required by 40 CFR 60.8. Subpart UU. [40 CFR 60.474(b)]
- 38 [40 CFR 60.474(c)] Determine compliance with the particulate matter and opacity standards in 40 CFR 60.472 using the test methods and procedures specified in 40 CFR 60.474(c)(1) through (c)(5). Subpart UU. [40 CFR 60.474(c)]

**CRG0004 ULNB Reformers**

Group Members: EQT0255 EQT0256 EQT0257

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**CRG0004 ULNB Reformers**

- 39 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide  $\leq$  0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]  
Which Months: All Year Statistical Basis: Three-hour rolling average
- 40 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 41 [LAC 33:III.1101.B] Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: None specified
- 42 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 43 [LAC 33:III.1311.C] Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: Six-minute average
- 44 [LAC 33:III.1313.C] Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input.  
Which Months: All Year Statistical Basis: None specified
- 45 [LAC 33:III.1513.C] Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.
- 46 [LAC 33:III.509] Comply with BACT requirement of 0.03 lb/MM BTU of NOx emission limit for ULNB. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-732.

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- 47 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 48 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 49 [LAC 33:III.1101.B] Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.  
Which Months: All Year Statistical Basis: None specified
- 50 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 51 [LAC 33:III.501.C.1] Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services as required in accordance with the procedures in LAC 33:III.Chapter 5.
- 52 [LAC 33:III.507.A.1.a] Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507.

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53 [LAC 33:III.507.E.4]

Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration.

54 [LAC 33:III.507.H.1.a)

The increases in CO and SO<sub>2</sub> emissions are greater than 50% of PSD thresholds, periodic monitoring is required.

**Monitoring:** The owner or operator shall monitor the emissions of CO and SO<sub>2</sub> that could increase as a result of the project and that is emitted by an affected emissions unit, and calculate and maintain a record of the annual emissions, in TPY on a calendar year basis, for a period of 5 years following resumption of regular operations after the change, or for a period 10 years following resumption of regular operations after the change if the project increase the design capacity of or potential to emit CO and SO<sub>2</sub> pollutants.

**Reporting:** The owner or operator shall submit a report to LDEQ within 60 days after the end of the year if annual emissions, in TPY, from the project in question exceed the baseline actual emission by a "significant" (as defined in LAC 33:III.504.K) amount, and if such emissions differ from the preconstruction projection. This report shall contain the following:

- the name, address, and telephone number of the major stationary source;
- the annual emissions; and
- any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).

55 [LAC 33:III.509.I.1]

No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section.

56 [LAC 33:III.509.J.1]

A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act.

57 [LAC 33:III.509.J.2]

A new major stationary source shall apply best available control technology for each pollutant subject to regulation under this Section that it would have the potential to emit in significant amounts.

58 [LAC 33:III.509.J.3]

A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit.

59 [LAC 33:III.509.J.4]

For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source.

60 [LAC 33:III.509]

Comply with the requirements of PSD-LA-732. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-732.

61 [LAC 33:III.5105.A.1]

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.

62 [LAC 33:III.5105.A.2]

Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.

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- 63 [LAC 33:III.5105.A.3] Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 64 [LAC 33:III.5105.A.4] Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A.
- 65 [LAC 33:III.5107.A.2] Submit Annual Emissions Report (TEDD): Due annually, by the 1st of July, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 66 [LAC 33:III.5107.A.3] Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"
- 67 [LAC 33:III.5107.B.1] Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 68 [LAC 33:III.5107.B.2] Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923.
- 69 [LAC 33:III.5107.B.3] Submit notification: Due to SPOC immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6.
- 70 [LAC 33:III.5107.B.4] Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to SPOC by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.
- 71 [LAC 33:III.5107.B.5] Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 72 [LAC 33:III.5109.A.1] Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- 73 [LAC 33:III.5109.A.2] Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E.
- 74 [LAC 33:III.5109.B.1] Submit to DEQ a compliance plan for achieving compliance with the ambient air standard(s), in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.
- 75 [LAC 33:III.5109.B.2] Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E.

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- 76 [LAC 33:III.5109.B.3] Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
- 77 [LAC 33:III.5109.B] Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2.
- 78 [LAC 33:III.5109.C] Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III. Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
- 79 [LAC 33:III.5111.A.1] Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source.
- 80 [LAC 33:III.5111.A.2.a] Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.
- 81 [LAC 33:III.5111.A.3] Obtain written authorization from DEQ before commencement of any modification specified in a compliance plan submitted pursuant to LAC 33:III.5109.
- 82 [LAC 33:III.5111.A.3] Submit letter: Due to the Office of Environmental Services concurrently with the submittal of the compliance plan. Indicate that the necessary permit modification (or new permit if no existing permit is in place) will be applied for by a date specified in the compliance schedule and request written authorization to construct, or, Submit permit application: Due to the Office of Environmental Services in accordance with LAC 33:III.5111.B, concurrently with the submittal of the compliance plan.
- 83 [LAC 33:III.5111.A.4] Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source.
- 84 [LAC 33:III.5111.A] Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified.
- 85 [LAC 33:III.5113.A.1] Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 86 [LAC 33:III.5113.A.2] Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
- 87 [LAC 33:III.5113.B.1] Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.
- 88 [LAC 33:III.5113.B.3] Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.
- 89 [LAC 33:III.5113.B.4] Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.
- 90 [LAC 33:III.5113.B.5] Analyze samples and determine emissions within 30 days after each emission test has been completed.
- 91 [LAC 33:III.5113.B.5] Submit certified letter: Due to the Office of Environmental Assessment before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.

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- 92 [LAC 33:III.5113.B.6] Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.
- 93 [LAC 33:III.5113.B.7] Submit notification: Due to the Office of Environmental Assessment at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.
- 94 [LAC 33:III.5113.C.1] Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.
- 95 [LAC 33:III.5113.C.2] Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.
- 96 [LAC 33:III.5113.C.2] Submit notification in writing: Due to the Office of Environmental Assessment at least 30 days before a performance evaluation of the monitoring system is to begin.
- 97 [LAC 33:III.5113.C.2] Submit performance evaluation report: Due to the Office of Environmental Assessment within 60 days of the monitoring system performance evaluation.
- 98 [LAC 33:III.5113.C.3] Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.
- 99 [LAC 33:III.5113.C.5.a] Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.
- 100 [LAC 33:III.5113.C.5.a] Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.
- 101 [LAC 33:III.5113.C.5.d] Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.
- 102 [LAC 33:III.5113.C.5.e] Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- 103 [LAC 33:III.5113.C.5] Submit plan: Due to the Office of Environmental Assessment within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
- 104 [LAC 33:III.5113.C.7] Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- 105 [LAC 33:III.511] Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5.

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**UNF0002 Facility Wide Phase IV Project**

- 106 [LAC 33:III.517.A.1] Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III Chapter 5 prior to approval by the permitting authority.
- 107 [LAC 33:III.517.A.2] Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority.
- 108 [LAC 33:III.517.A.3] Submit permit application: Due by the date established by the permitting authority. The permit application is for any source for which grandfathered status has expired due to a change in ownership.
- 109 [LAC 33:III.517.B.1] Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete.
- 110 [LAC 33:III.517.C] Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit.
- 111 [LAC 33:III.517.D] Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18.
- 112 [LAC 33:III.517.E] In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8.
- 113 [LAC 33:III.517.G] Submit change of ownership notification in accordance with LAC 33:1 Chapter 19.
- 114 [LAC 33:III.523.A] Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate.
- 115 [LAC 33:III.523.B.2] Submit application for temporary exemption for testing: Due prior to test initiation. Submit the information specified in LAC 33:III.517 (with the exception of the data being measured in the test). Conduct testing for the minimum duration consistent with obtaining valid results.
- 116 [LAC 33:III.523.B.3] Submit test results: Due within 30 days of test completion to the administrative authority. The report details the conditions that were found to exist during a temporary exemption for testing. State if there is to be no permanent change in emissions from pretest conditions.
- 117 [LAC 33:III.927] Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- 118 [LAC 33:III Chapter 29] Comply with applicable provisions of this Chapter.